



TIMM-CAR 100 S

Retarding agent to control viscosity concrete

Description

TIMM-CAR 100 S is a high performance retarding agent for high strength, high fluidity and high durability concrete. thus it can be widely used for skyscrapers and large constructions. It is especially effective to improve Slump & Slump Flow Loss of concrete.

Characteristics

- Not at all influence a construction period because there is no delay setting time
- Results in good workability as elapsed time.
- Shows good slump retention.
- Produces consistent concretes by protecting materials separation.
- Decrease in concrete viscosity.

Main Applications

- Skyscrapers and large size buildings.
- Self-compacting concrete structures requiring high fluidity.
- Bridges requiring high strength and durability.
- White cement.

Product Packaging

- Tank truck: 1M/T, 5M/T, 10M/T, 20M/T
- 10kg & 20kg Can; 200kg Drum

Physical Properties

- Specific gravity: $1,10 \pm 0,01$
- Viscosity: 250 ± 100 cPs
- Solid %: $50,0 \pm 1,0$
- PH: $5,5 \pm 1,0$

Cautions

- Don't mix with other chemical admixtures.
- In case of the freezing of the product, warm at 30°C and mix it fully.
- Consult with TECHMO's technical service engineer:
 - if entrained air needs to be adjusted.
 - if storing for a long time and thereafter using it.
- Don't use it for other uses except manufacturing concretes as chemical admixtures.
- Wash with enough flowing water if it is contacted on skin or clothes.

Use

- For manufacturing concretes of general strength:
 - Weight % of Binder: 0.2 ~ 0.8
- For manufacturing concretes of high strength and fluidity:
 - Weight % of Binder: 0.3 ~ 1.5%
- Decide a target dosage depending on mix design conditions, materials used, temperatures, & mixer types.
- Mix with dispersion agent if requiring initial dispersion.

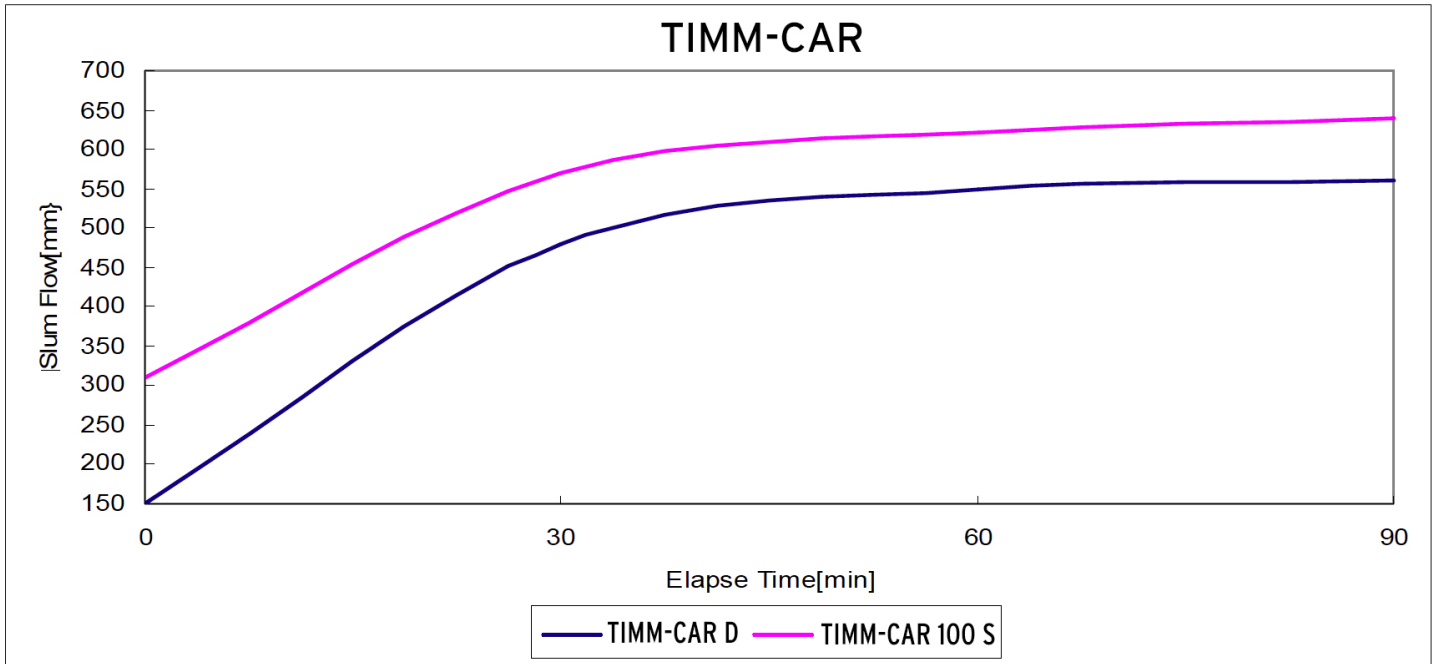
Concrete Mix Design

Concrete Temp. : 20°C

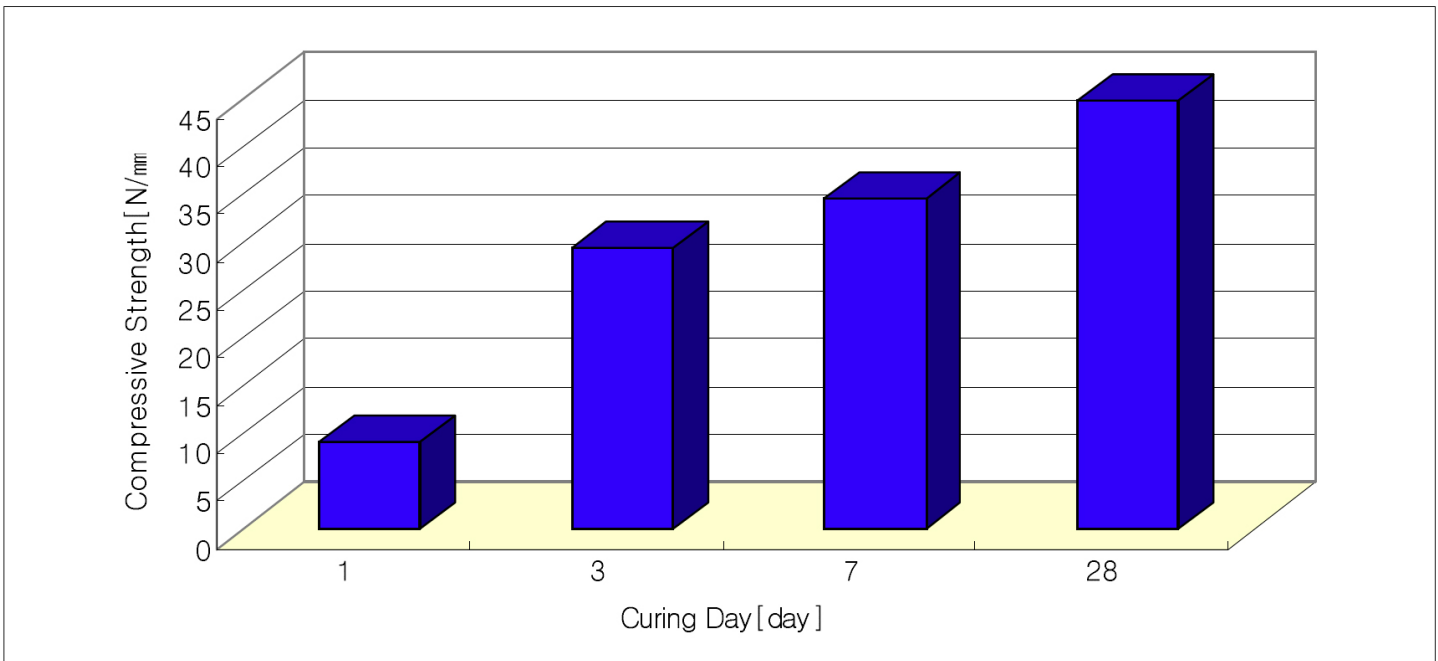
25-35-210	W/B(%)	S/a(%)	Quantities (kg/m ³)						AD (B X%)
			W	C	F/A	S1	S2	G	
	44.0	46.0	185	378	42	390	382	924	1.35

C: OPC, F/A: Fly ash, S1 : Washed Sea Sand(F/M:2.4), S2 : Crushed Sand(F/M:3.3), Gravel : Max 25mm
AD: 20% Solid Content of SRX- D, 100. (Defoamer:0.12%)

Slump & Slump Flow Test Result



Compressive Strength Test Result



NOTA:

La información y datos técnicos aquí reflejados son de carácter orientativo y están sujetos a posibles modificaciones sin previo aviso. Están basados en datos y conocimientos que se consideran ciertos y precisos. Sin embargo no tenemos control alguno sobre las condiciones bajo las cuales nuestros productos son transportados, almacenados, manipulados o utilizados por nuestros clientes. Por ello nuestra garantía se limita exclusivamente a la calidad del producto. Ninguna información o recomendación de interpretarse de forma que vulnere cualquier norma o disposición legal vigente.